

## SPECIAL INSPECTION AND TESTING (IBC 1704)

Indicate required Special inspections for project by checking the appropriate boxes:

### FABRICATORS (IBC1704.2)

<input type="checkbox"/> Approved Fabricator	Fabricators Name:
<input type="checkbox"/> Unapproved Fabricator	Fabricators Name:

In-plant inspections

☐ Steel Construction
 ☐ Welding
☐ Details

### STEEL (IBC1704.3)

Item	Reference/Comments		
High Strength Bolting(1704.3.3)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
WELDING (1704.3.1)			
Details (1704.3.2)			
Complete & partial penetration groove welds	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Multipass fillet welds	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Single-pass fillet welds > 5/16"	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Single-pass fillet welds ≤ 5/16"	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Floor & roof deck welds	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
REINFORCEMENT STEEL	<input type="checkbox"/> Continuous		
Verification of weldability	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Shear wall and shear reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Other reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Steel frame joint details	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

### CONCRETE CONSTRUCTION (IBC1704.4)

Item	Reference/Comments		
Materials (1704.4.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Steel placement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Steel welding	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Bolts prior & during placement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Use of required design mix	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Concrete sampling for strength test, slump, air content, and temperature of concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Concrete & shotcrete placement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Curing temperature and techniques	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Pre-stressed concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Pre-cast concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Posttensioned concrete	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Form work	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

### MASONRY CONSTRUCTION (IBC1704.5)

Item	Reference/Comments
As masonry construction begins:	

Site prepared mortar	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Construction of mortar joints	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Location of reinforcement, connectors, pre-stressing tendons and anchorages	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Pre-stressing technique	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Grade and size of pre-stressing tendons and anchorages	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Inspection program verify:			
Size and location of structural elements	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Type, size and location of anchors	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Size, grade and type of reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Welding of reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Cold and hot weather protection	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Application and measurement of pre-stressing force	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Prior to grouting verify			
Clean grout space	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Placement of reinforcement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Grout mix	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Mortar joints	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Grout placement	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Grout and mortar specimens and prisms	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Construction and submittal compliance verification	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Empirical masonry – Cat. I-III (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Empirical masonry – Cat. IV (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Engineered masonry – Cat. I-III 1708.1.1	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Engineered masonry – Cat. IV (1708.1.1)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Engineering & pre-stressing steel (1708.3)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Structural steel (1708.4)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Qualification of mechanical & electrical equipment (1708.5)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Seismically isolated structures (1708.6)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	
Testing for seismic resistance is	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

## WOOD CONSTRUCTION (IBC1704.6)

Item	Reference/Comments	
Prefabricated elements & assembly	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

## SOILS CONSTRUCTION (IBC1704.7)

Item	Reference/Comments	
Site preparation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

Structural fill material	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural fill lift thickness	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural fill soil densities	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Backfill soils materials	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Backfill soil densities	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Fill material under side walks and parking	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Fill soil densities under side walks and parking	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### PILE FOUNDATIONS (IBC1704.8)

Item	Reference/Comments	
Observe driving operation and reporting	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Verify placement & installation data	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### PIER FOUNDATIONS (IBC1704.9)

Item	Reference/Comments	
Observe drilling operation and reporting	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Verify placement & installation data	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### SPRAYED FIRE-RESISTANT MATERIALS (IBC1704.10)

Item	Reference/Comments	
Structural member surface conditions	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material application	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material thickness	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Material density	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Bonding strength	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC1704.11)

Item	Reference/Comments	
Material and instillation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### EXTERIOR INSTULATION AND FINISH SYSTEMS (EIFS) (IBC1704.12)

Item	Reference/Comments	
Material and instillation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### ALTERNITIVE CONSTRUCTION METHODS OR MATERIALS (IBC1704.13)

Item	Reference/Comments	
Material and instillation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### EPOXY (IBC1704.13)

Item	Reference/Comments	
Material and instillation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

#### SMOKE CONTROL (IBC1704.14)

Item	Reference/Comments	
Material	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

Installation	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
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### Special inspection for seismic resistance (IBC1707)

Item	Reference/Comments	
Structural Steel (1707.2)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Structural Wood (1707.3)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Cold-formed steel framing (1707.4)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Pier foundations (1707.5)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Storage racks & access floors (1707.6)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Architectural components (1707.7)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Mechanical & electrical items (1707.8)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Designated systems verification (1707.9)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Seismic isolation systems (1707.10)	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

Inspection of seismic resistance are not required per IBC 1705.3 ☐

### OTHER

Item	Reference/Comments	
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
	<input type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

### Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2